CORNERSTONE RESEARCH

Economic and Financial Consulting and Expert Testimony

Securities Class Action Settlements

2016 Review and Analysis

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The views expressed in this report are solely those of the authors, who are responsible for the content, and do not necessarily represent the views of Cornerstone Research.

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Analyses in this report are based on 1,621 securities class actions filed after passage of the Private Securities Litigation Reform Act of 1995 (Reform Act) and settled from 1996 through year-end 2016. See page 20 for a detailed description of the research sample. For purposes of this report and related research, a settlement refers to a negotiated agreement between the parties to the securities class action that is publicly announced to potential class members by means of a settlement notice.

Highlights

- The number of securities class action settlements approved in 2016 grew to 85—the highest level since 2010. (page 3)
- Total settlement dollars approved by courts in 2016 was nearly \$6 billion, almost double the total in 2015 and the second highest in the past 10 years. (page 3)
- The total value of mega settlements (settlements over \$100 million) in 2016 represented more than two times the value for these cases in 2015. (page 4)
- The median settlement amount in 2016 was \$8.6 million, about 40 percent higher than the 2015 median of \$6.1 million. (page 5)
- Compared to the prior five years (2011–2015), 2016 average "estimated damages" were 30 percent higher while median "estimated damages" were almost 15 percent lower. (page 6)

- Median settlements as a percentage of "estimated damages" in 2016 increased 24 percent from the 2011-2015 median and were higher than any annual percentage in the last five years. (page 8)
- Median Disclosure Dollar Loss (DDL) associated with 2016 settlements was 50 percent more than the prior year. (page 10)
- The year 2016 had the highest percentage of cases settling within two years of the filing date since 2006. (page 17)

Figure 1: Settlement Statistics

(Dollars in Millions)

	1996–2015	2015	2016
Minimum	\$0.1	\$0.4	\$0.9
Median	\$8.3	\$6.1	\$8.6
Average	\$55.5	\$38.4	\$70.5
Maximum	\$8,611.2	\$982.8	\$1,575.0
Total Amount	\$85,266.6	\$3,072.8	\$5,990.0
Number of Settlements	1,536	80	85

2016 Findings and Perspectives

Continuing the growth observed in the prior year, the number of settlements approved in 2016 increased to 85 substantially higher than the levels in 2011 through 2014. This escalation can be attributed to the recent increase in case filings.

Mega Settlements

Ten mega settlements in 2016—the highest number over the last 10 years—contributed to an almost twofold increase in the average settlement amount from 2015 to 2016. Two of the mega settlements exceeded \$1 billion. This was the first year since 2006 with multiple settlements over \$1 billion.

"Estimated Damages"

To understand the latest settlement trends, it is helpful to consider the important determinants of settlement amounts. The most important factor in explaining settlement amounts is a proxy ("estimated damages") for shareholder damages. For settlements approved in 2016, average "estimated damages" reached the second-highest amount over the last 10 years. Settlements as a percentage of "estimated damages" also increased over 2015, indicating that other factors likely contributed to the rise in settlement amounts as well. In particular, the percentage of settlements with public pension plans as lead plaintiffs and the number of restatement cases increased in 2016. In addition, the size of the issuer defendant (as measured by total assets) was substantially higher in 2016 as compared to 2015. All of these factors are associated with higher settlement amounts.

"Higher settlements in 2016 were driven not only by higher 'estimated damages' but also by other case factors, leading to a six-year high in settlements as a percentage of 'estimated damages.'"

Dr. Laura E. Simmons Senior Advisor Cornerstone Research

Developing Trends

The record number of case filings in 2016, 1 coupled with four consecutive year-over-year increases, may continue to fuel growth in the number of settlements into the coming years.

While the number of settlements may increase, the most recent data on case filings, however, indicate a potential decline in very large cases, as measured by market capitalization losses. This suggests that, at some point in the next few years, a drop in mega settlements may follow.

Industry trends among securities class actions have fluctuated in the last 20 years but, according to Cornerstone Research's Securities Class Action Filings—2016 Year in Review, healthcare and related industry sectors, such as biotech and pharmaceuticals, may play a growing role in both the number and total dollar amounts of settlements in securities class actions.

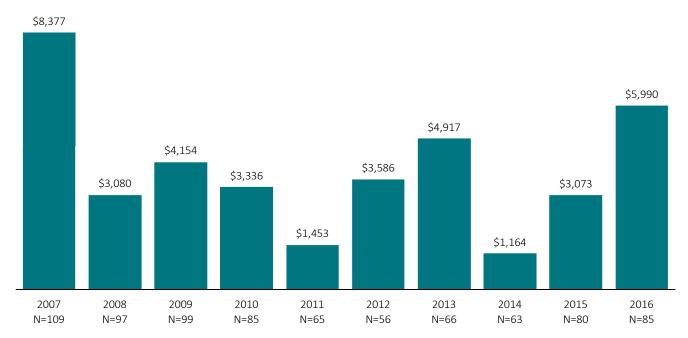
Total Settlement Dollars

- The total value of settlements approved by courts in 2016 was more than \$5.9 billion, almost double the amount approved in 2015.
- The higher number of mega settlements in 2016 and the corresponding higher average settlement value for these cases contributed to the substantial increase in total settlement dollars.
- The number of settlements approved in 2016 increased only modestly from 2015, but grew substantially over the annual numbers from 2011 to 2014.

2016 total settlement dollars exceeded inflation-adjusted totals for eight of the nine prior years.

Figure 2: Total Settlement Dollars 2007-2016

(Dollars in Millions)



Mega Settlements

- Four of the 10 approved mega settlements in 2016 were between \$100 million and \$250 million; four were between \$250 million and \$500 million; and two exceeded \$1 billion. The last observed settlement over \$1 billion was in 2013.
- The median mega settlement in 2016 was \$318 million, almost twice the median in 2015.
- In 2016, \$4.8 billion of the total \$6 billion settlement value came from mega settlements.
- The number of mega settlements as a percentage of all settlements in 2016 was the highest over the last 10
- Mega settlements have accounted for 72 percent of all settlement dollars on average from 2007-2016.

The total value of mega settlements in 2016 was more than two times the prior year's value.

Figure 3: Mega Settlements 2007-2016



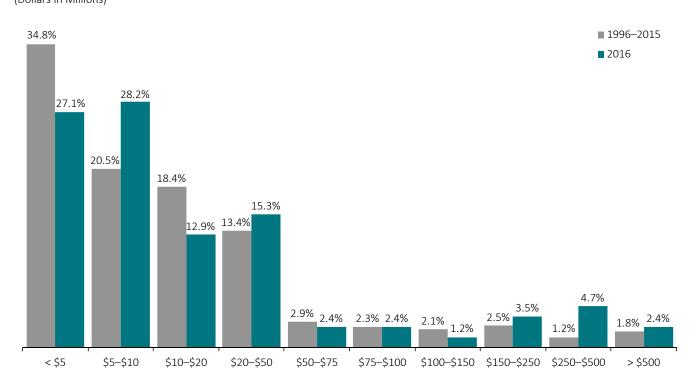
Settlement Size

- The proportion of cases settling for \$2 million or less (often referred to as "nuisance suits") in 2016 was 12 percent (10 cases), a drop from 25 percent (20 cases) in 2015 and a return to 2013 and 2014 proportions.
- The percentage of cases settling for less than \$5 million also decreased in 2016 compared to prior years.

The median settlement amount increased more than 40 percent from \$6.1 million in 2015 to \$8.6 million in 2016.

- In 2016, 56 percent of settlements fell between \$5 million and \$50 million, 18 percent higher than the rate for all prior post–Reform Act years.
- Among all post–Reform Act settlements, 79 percent have been for amounts equal to or less than \$25 million.
- The higher proportion of 2016 cases settling for \$150 million or more reflects the record number of mega settlements compared to the last 10 years.
- Median total assets for issuer defendants settling in 2016 were more than 41 percent higher than the median asset value for 2015 settlements (adjusted for inflation) and 15 percent higher than the median total assets for issuers settling in the prior 10 years.

Figure 4: Distribution of Post-Reform Act Settlements (Dollars in Millions)



Damages Estimates and Market **Capitalization Losses**

"Estimated Damages"

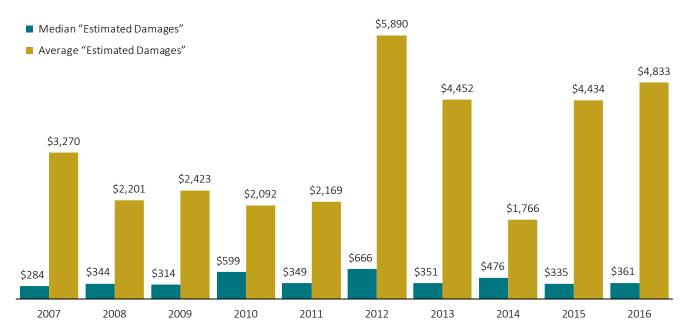
"Estimated damages" are a simplified measure of potential shareholder losses that allows for use of a consistent method in this study and therefore the identification and analysis of potential trends. While "estimated damages" are found to be the most important factor in predicting settlement amounts, they are not necessarily linked to the allegations in the associated court pleadings.² The damages estimates presented in this report are not intended to be indicative of actual economic losses borne by shareholders.

Average "estimated damages" in 2016 were the second highest in the last 10 years.

- Average and median "estimated damages" for 2016 increased modestly from 2015 (9 percent and 8 percent, respectively).
- Compared to the average and median values for the previous five years (2011-2015), however, 2016 average "estimated damages" were 30 percent higher while median "estimated damages" were 14 percent lower.
- Overall, higher "estimated damages" are associated with larger issuer defendants (measured by total assets of the issuer) and more mature firms (measured by the length of time publicly traded). In addition, plaintiffs are more likely to name third-party defendants in larger cases (as measured by "estimated damages").

Figure 5: Median and Average "Estimated Damages" 2007-2016

(Dollars in Millions)



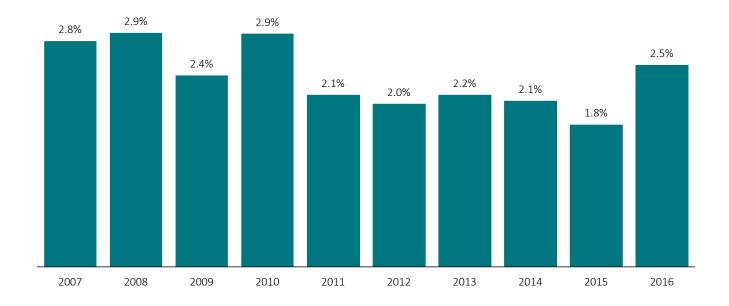
Note: "Estimated damages" are adjusted for inflation based on class period end dates.

"Estimated Damages" continued

- In 2016, median settlements as a percentage of "estimated damages" increased 39 percent over 2015.
- While the median settlement as a percentage of "estimated damages" for mega settlements has often been lower than for non-mega settlements, in 2016 it was slightly higher (2.7 percent and 2.5 percent for mega settlements and non-mega settlements, respectively).

In 2016, median settlements as a percentage of "estimated damages" jumped from 2015's historic low.

Figure 6: Median Settlements as a Percentage of "Estimated Damages" 2007-2016

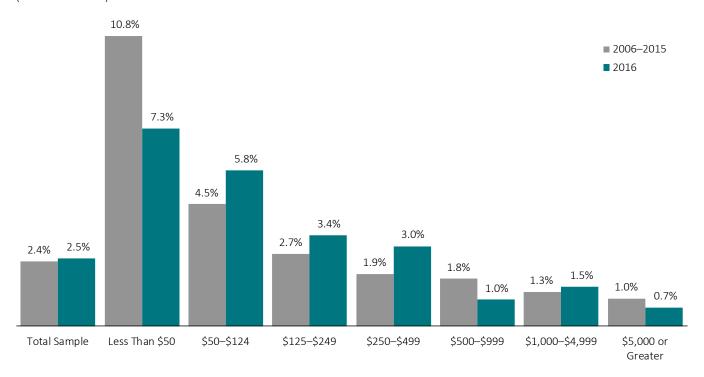


"Estimated Damages" continued

- Smaller cases settled for a lower percentage of "estimated damages" in 2016 relative to mid-range cases when compared to prior years.
- Median settlements as a percentage of "estimated damages" in 2016 increased 24 percent from the 2011-2015 median and were higher than any percentage in the last five years.

The rise in the 2016 median settlement as a proportion of "estimated damages" puts it in line with the median for the prior 10 years.

Figure 7: Median Settlements as a Percentage of "Estimated Damages" by Damages Ranges (Dollars in Millions)



Damages Estimation Approaches

"Estimated Damages" vs. Tiered Damages

Tiered damages are an alternative damages measure based on the dollar value of stock price movements on dates detailed in the settlement plan of allocation. They provide an alternative measure of potential investor losses for more recent securities class action settlements.3

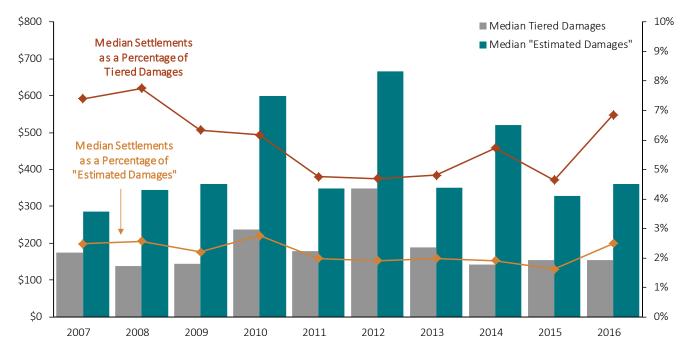
As a measure that is based on specific company stock price declines (either at the end or during the class period), rather than daily deviations from movements in an index, tiered damages are conceptually more closely aligned with the approach typically followed by plaintiffs in recent years to

estimate damages. The methodology for tiered damages also accounts for the U.S. Supreme Court's 2005 landmark decision in Dura whereby damages cannot be associated with shares sold before information regarding the alleged fraud reaches the market.4

Tiered damages, like "estimated damages," are highly correlated with settlement amounts and are an important component in ongoing analyses of settlement outcome determinants.

Figure 8: Damages Estimation Approaches 2007-2016

(Dollars in Millions)



Note: Damages figures are adjusted for inflation based on class period end dates.

Disclosure Dollar Loss

Disclosure Dollar Loss (DDL) captures the stock price reaction to the class-ending disclosure that resulted in the first filed complaint. DDL is calculated as the decline in the market capitalization of the defendant firm from the trading day immediately preceding the end of the class period to the trading day immediately following the end of the class period and, as such, does not incorporate any estimate of the number of shares traded during the class period.⁵

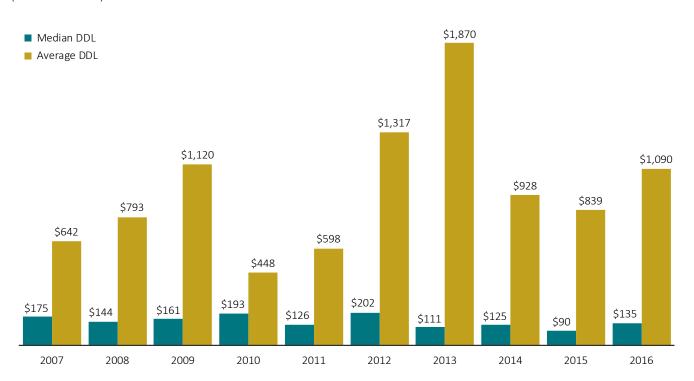
Median DDL in 2016 was 50 percent more than 2015.

· With an increase in both the average and median DDL over 2015, the trend in DDL for cases settled in 2016 follows a pattern similar to that for "estimated damages."

- While the aggregate trends in DDL and "estimated damages" are often similar, for individual cases, the two measures typically differ substantially.
- Total DDL associated with settlements approved in 2016 was nearly \$81 billion, 20 percent below the average from 2007 through 2015.

Figure 9: Median and Average Disclosure Dollar Loss 2007-2016

(Dollars in Millions)



Note: DDL is adjusted for inflation based on class period end dates.

Analysis of Settlement Characteristics

Nature of Claims

- In 2016, there were 10 settlements involving Section 11 and/or Section 12(a)(2) claims ('33 Act claims) that did not involve Rule 10b-5 allegations, the second most active year in the last decade.6
- Cases settling in 2016 involving combined claims (Rule 10b-5 and Section 11 and/or Section 12(a)(2) claims) had, on average, twice as many federal docket entries as cases involving just Rule 10b-5 claims—indicating the more complex nature of such matters.
- As reported in Cornerstone Research's Securities Class Action Filings—2016 Year in Review, the frequency of filings involving Section 11 claims in California state courts has increased in recent years.⁷
- Four of the five state court settlements in 2016 were for California state cases with '33 Act claims only.

Settlements as a percentage of "estimated damages" are considerably higher for cases with only Section 11 and/or Section 12(a)(2) claims because these cases typically have smaller "estimated damages" compared to other claim types.

Figure 10: Settlements by Nature of Claims 1996-2016

(Dollars in Millions)

	Number of Settlements	Median Settlement	Median "Estimated Damages"	Median Settlement as a Percentage of "Estimated Damages"
Section 11 and/or Section 12(a)(2) Only	97	\$4.0	\$55.6	7.4%
Both Rule 10b-5 and Section 11 and/or 12(a)(2)	281	\$13.6	\$537.2	3.0%
Rule 10b-5 Only	1,220	\$8.1	\$373.4	2.5%

Note: Settlement dollars and "estimated damages" are adjusted for inflation; 2016 dollar equivalent figures are used. "Estimated damages" are adjusted for inflation based on class period end dates.

Accounting Allegations

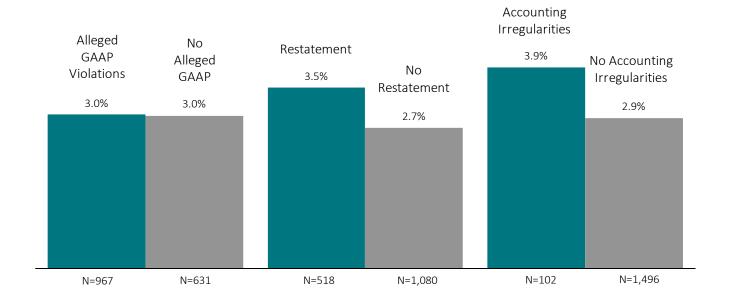
This research examines three types of accounting issues among settled cases: (1) alleged GAAP violations, (2) restatements, and (3) reported accounting irregularities.8 For further details regarding settlements of accounting cases, see Cornerstone Research's annual report on Accounting Class Action Filings and Settlements.

- Among all post-Reform Act settlements, alleged GAAP violations are included in approximately 60 percent of cases. In 2016, however, the frequency of GAAP violation allegations was 54 percent.
- Restatements were involved in more than 30 percent of cases settled in 2016. These cases were associated with higher settlements as a percentage of "estimated damages" compared to cases without restatements.

In 2016, no settlements involved reported accounting irregularities, and there was only one such case among 2015 settlements. Historically, approximately 6 percent of cases involve accounting irregularities.

The percentage of cases alleging GAAP violations declined for a second straight vear in 2016.

Figure 11: Median Settlements as a Percentage of "Estimated Damages" and Accounting Allegations 1996-2016

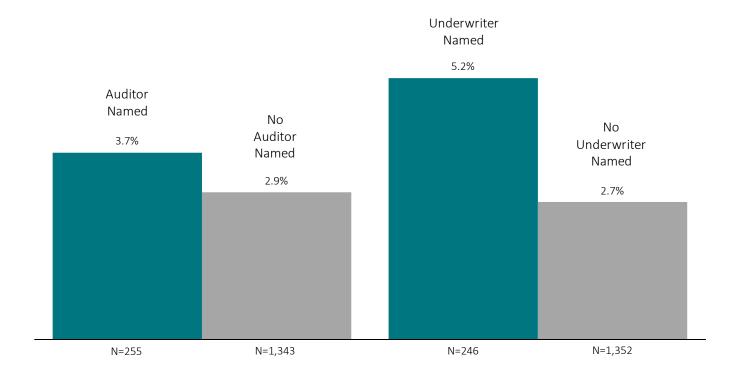


Third-Party Codefendants

- Third parties, such as an auditor or an underwriter, are often named as codefendants in larger, more complex cases.
- In 2016, however, the median settlement for cases with a third-party named defendant was 26 percent lower than for cases without a third-party named defendant.
- Only 17 percent of accounting-related case settlements in 2016 had a named auditor defendant.
- Underwriter defendants were named in 79 percent of cases with Section 11 claims in 2016.

On average, 27 percent of post-Reform Act settlements involved a named auditor or underwriter codefendant.

Figure 12: Median Settlements as a Percentage of "Estimated Damages" and Third-Party Codefendants 1996-2016



Institutional Investors

- In 2016, the median settlement amount for cases with institutional investor lead plaintiffs was more than twoand-a-half times that of cases with no institutional investor as a lead plaintiff, but settlements as a percentage of "estimated damages" were only slightly higher.
- Institutions, including public pension plans—a subset of institutional investors—tend to be involved as plaintiffs in larger cases (i.e., cases with higher "estimated damages").
- In 2016, 55 percent of settlements with "estimated damages" greater than \$500 million involved a public pension plan as lead plaintiff, compared to 30 percent for cases with "estimated damages" of \$500 million or less.
- Cases in which public pension plans serve as lead or colead plaintiff also tend to involve larger issuer defendants, longer class periods, securities in addition to common stock, accounting allegations, and other indicators of more serious cases such as criminal charges. These cases are also associated with longer periods to reach settlement.

Public pension involvement rose for the second consecutive year.

Figure 13: Median Settlement Amounts and Public Pensions 2007-2016

(Dollars in Millions)

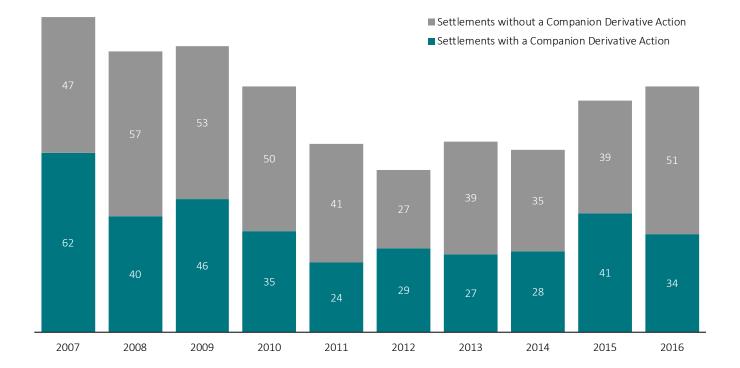


Derivative Actions

- In 2016, 40 percent of settled cases were accompanied by derivative actions, compared to 34 percent for all prior post-Reform Act years.
- Historically, accompanying derivative actions have been associated with relatively large securities class actions.9 In 2016, however, 38 percent of cases with "estimated damages" of \$500 million or less involved a companion derivative action—just below the 42 percent of cases with "estimated damages" of more than \$500 million.
- As a percentage of all derivative actions, the prevalence of companion derivative actions filed in California has increased annually from 14 percent in 2012 to 35 percent in 2016..

In 2016, the median settlement for a case with a companion derivative action was \$12 million versus \$8.5 million for those without.

Figure 14: Frequency of Derivative Actions 2007-2016



Corresponding SEC Actions

Cases with a corresponding SEC action related to the allegations (evidenced by the filing of a litigation release or administrative proceeding prior to settlement) are typically associated with significantly higher settlement amounts and have higher settlements as a percentage of "estimated damages."10

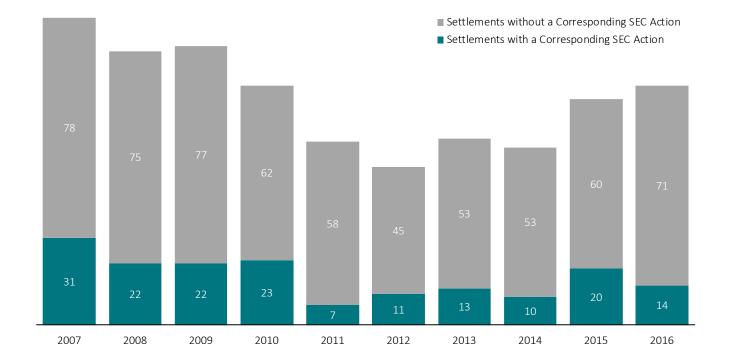
For related research on SEC enforcement activity, see t Securities Enforcement Empirical Database (SEED).¹¹

- In 2016, however, the median settlement for cases with an SEC action (\$8.4 million) differed only slightly from the median settlement for cases without a corresponding SEC action (\$8.6 million).
- Across all post–Reform Act cases, for settlements of cases involving accompanying SEC actions, the issuer defendant's assets have averaged \$65 billion, as compared to only \$18 billion for settlements without accompanying SEC actions.

While cases with accompanying SEC actions tend to involve larger issuer defendants, they are also more frequently associated with delisted firms. In addition, these cases often involve settlements prior to the first ruling on a motion to dismiss.

After doubling in 2015, the number of 2016 settlements with a corresponding SEC action returned to the lower levels observed for 2012-2014.

Figure 15: Frequency of SEC Actions 2007-2016



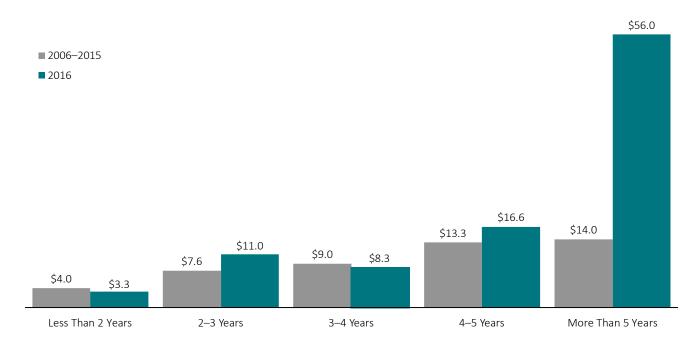
Time to Settlement and Case Complexity

- The percentage of settlements in 2016 occurring within two years after the filing date was at its highest level in the last 10 years.
- The median number of docket entries for cases settling within two years in 2016 was 19 percent higher than the median for the prior 10 years, indicating a relatively high level of activity during the tenure of these cases.

In 2016, the median time from filing date to settlement was less than three years.

- In 2016, the median settlement for cases settling within two years was 70 percent lower than for cases taking longer to settle.
- The spike in the median settlement for 2016 cases settling after five years from filing is driven, in large part, by five mega settlements out of the 14 settlements in this category.
- Overall, the time to settlement tends to be longer for larger cases (as measured by issuer defendant size and "estimated damages"), cases involving third-party defendants, and cases with distressed issuer firms.

Figure 16: Median Settlement by Duration from Filing Date to Settlement Hearing Date (Dollars in Millions)



Litigation Stages

This report studies three stages in the litigation process that may be considered an indication of the strength of the merits of a case (e.g., surviving a motion to dismiss) and/or the time and effort invested by the lead plaintiff counsel:

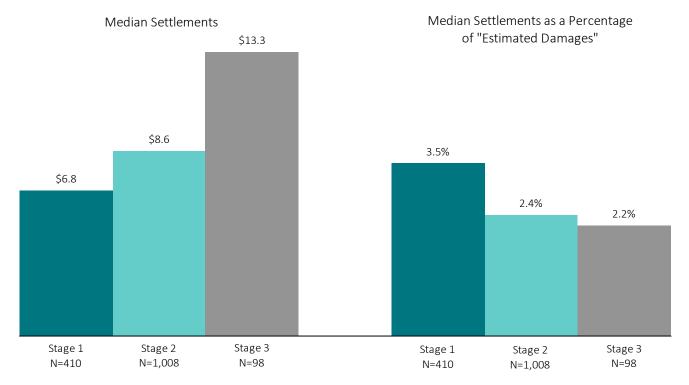
- Stage 1: Settlement before the first ruling on a motion to dismiss
- Stage 2: Settlement after a ruling on motion to dismiss, but before a ruling on motion for summary judgment
- Stage 3: Settlement after a ruling on motion for summary judgment
- In 2016, 25 percent of settlements occurred in Stage 1, an increase from 18 percent for cases settled in 2015.
- Among all post–Reform Act settlements, cases settling in Stage 1 have the smallest median "estimated damages" and the smallest median assets whereas Stage 3 settlements have the highest medians.

Public pensions are involved as lead plaintiffs in 17 percent of cases that settle in Stage 1 and in 30 percent of cases that settle in Stage 3.

Higher settlement amounts but lower settlements as a percentage of "estimated damages" are associated with cases settling after a ruling on motion for summary judgment.

Figure 17: Litigation Stages 2007-2016

(Dollars in Millions)



Cornerstone Research's Settlement **Prediction Analysis**

This research applies regression analysis to examine which characteristics of securities cases were associated with settlement outcomes. The regression analysis is designed to better understand and predict the total settlement amount, given the characteristics of a particular securities case. This analysis can also be applied to estimate the probabilities associated with reaching alternative settlement levels as well as to explore hypothetical scenarios, including, but not limited to, the effects on settlement amounts given the presence or absence of particular factors found to significantly affect settlement outcomes.

- Settlements were higher when "estimated damages," DDL, defendant asset size, or the number of docket entries were larger.
- Settlements were also higher in cases involving intentional misstatements or omissions in the issuer's financial statements, financial restatements, a corresponding SEC action, a codefendant underwriter and/or auditor, an accompanying derivative action, a public pension involved as lead plaintiff, a noncash component to the settlement, filed criminal charges, or securities other than common stock alleged to be damaged.
- Settlements were lower if the settlement occurred in 2009 or later, if the issuer was distressed, or if the issuer traded on a non-major exchange.

Determinants of Settlement Outcomes

Based on the research sample of post–Reform Act cases that settled through December 2016, the factors that were important determinants of settlement amounts included the following:

- "Estimated damages"
- Disclosure Dollar Loss (DDL)
- Most recently reported total assets of the defendant
- Number of entries on the lead case docket
- The year in which the settlement occurred
- Whether the issuer reported intentional misstatements or omissions in financial statements
- Whether a restatement of financials related to the alleged class period was announced
- Whether there was a corresponding SEC action against the issuer, other defendants, or related parties
- Whether the plaintiffs named an auditor and/or underwriter as a codefendant
- Whether the issuer defendant was distressed
- Whether a companion derivative action was filed
- Whether a public pension was a lead plaintiff
- Whether noncash components, such as common stock or warrants, made up a portion of the settlement fund
- Whether the plaintiffs alleged that securities other than common stock were damaged
- Whether criminal charges/indictments were brought with similar allegations to the underlying class action
- Whether the issuer traded on a non-major exchange

Research Sample

The database used in this report focuses on cases alleging fraudulent inflation in the price of a corporation's common stock (i.e., excluding cases with alleged classes of only bondholders, preferred stockholders, etc., and excluding cases alleging

fraudulent depression in price and M&A cases).

- The sample is limited to cases alleging Rule 10b-5, Section 11, and/or Section 12(a)(2) claims brought by purchasers of a corporation's common stock. These criteria are imposed to ensure data availability and to provide a relatively homogeneous set of cases in terms of the nature of the allegations.
- The current sample includes 1,621 securities class actions filed after passage of the Reform Act (1995) and settled from 1996 through 2016. These settlements are identified based on a review of case activity collected by Securities Class Action Services LLC (SCAS). 12
- The designated settlement year, for purposes of this report, corresponds to the year in which the hearing to approve the settlement was held. 13 Cases involving multiple settlements are reflected in the year of the most recent partial settlement, provided certain conditions are met. 14

Data Sources

In addition to SCAS, data sources include Dow Jones Factiva, Bloomberg, the Center for Research in Security Prices (CRSP) at University of Chicago Booth School of Business, Standard & Poor's Compustat, court filings and dockets, SEC registrant filings, SEC litigation releases and administrative proceedings, LexisNexis, and public press.

Endnotes

- Securities Class Action Filings—2016 Year in Review, Cornerstone Research, 2017.
- The simplified "estimated damages" model is applied to common stock only. For all cases involving Rule 10b-5 claims, damages are calculated using a market-adjusted, backward-pegged value line. For cases involving only Section 11 and/or Section 12(a)(2) claims (1933 Act Claims), damages are calculated using a model that caps the purchase price at the offering price. Volume reduction assumptions are based on the exchange on which the issuer's common stock traded. Finally, no adjustments for institutions, insiders, or short sellers are made to the underlying float.
- The dates used to identify the applicable inflation bands may be supplemented with information from the operative complaint at the time of settlement.
- Tiered damages are calculated for cases that settled after 2005. The calculation of tiered damages utilizes a single value line when there is one alleged corrective disclosure date (at the end of the class period) or a tiered value line when there are multiple dates identified in the settlement notice.
- This measure does not incorporate additional stock price declines during the alleged class period that may affect certain purchasers' potential damages claims. As this measure does not isolate movements in the defendant's stock price that are related to case allegations, it is not intended to represent an estimate of investor losses. The DDL calculation also does not apply a model of investors' share-trading behavior to estimate the number of shares damaged.
- Intensified activity in the U.S. IPO market in recent years, in tandem with the increase in Section 11 filings (either alone or together with Rule 10b-5 claims), suggests that these cases are likely to be more prevalent in the near future. However, a slowdown in IPO activity reported in 2016 may eventually contribute to a reduction in '33 Act claim only cases.
- See Securities Class Action Filings—2016 Year in Review, Cornerstone Research, 2017, page 4.
- The three categories of accounting issues analyzed in this report are: (1) GAAP violations—cases with allegations involving Generally Accepted Accounting Principles (GAAP); (2) restatements—cases involving a restatement (or announcement of a restatement) of financial statements; and (3) accounting irregularities—cases in which the defendant has reported the occurrence of accounting irregularities (intentional misstatements or omissions) in its financial statements.
- This is true whether or not the settlement of the derivative action coincides with the settlement of the underlying class action, or occurs at a different time.
- ¹⁰ It could be that the merits in such cases are stronger, or simply that the presence of an accompanying SEC action provides plaintiffs with increased leverage when negotiating a settlement.
- ¹¹ The Securities Enforcement Empirical Database (SEED) tracks and records information for SEC enforcement actions filed against public companies traded on major U.S. exchanges and their subsidiaries. Created by the NYU Pollack Center for Law & Business in cooperation with Cornerstone Research, SEED facilitates the analysis and reporting of SEC enforcement actions through regular updates of new filings and settlement information for ongoing enforcement actions.
- ¹² Available on a subscription basis.
- ¹³ Movements of partial settlements between years can cause differences in amounts reported for prior years from those presented in earlier reports.
- ¹⁴ This categorization is based on the timing of the settlement approval. If a new partial settlement equals or exceeds 50 percent of the then-current settlement fund amount, the entirety of the settlement amount is re-categorized to reflect the settlement hearing date of the most recent partial settlement. If a subsequent partial settlement is less than 50 percent of the then-current total, the partial settlement is added to the total settlement amount and the settlement hearing date is left unchanged.

Appendices

Appendix 1: Settlement Percentiles

(Dollars in Millions)

	Average	10th	25th	Median	75th	90th
2016	\$70.5	\$1.9	\$4.2	\$8.6	\$33.0	\$146.0
2015	\$38.4	\$1.3	\$2.1	\$6.1	\$15.5	\$92.1
2014	\$18.5	\$1.7	\$2.9	\$6.1	\$13.4	\$50.7
2013	\$74.5	\$2.0	\$3.1	\$6.7	\$22.8	\$85.0
2012	\$64.0	\$1.3	\$2.8	\$9.8	\$37.1	\$120.2
2011	\$22.4	\$2.0	\$2.7	\$6.1	\$19.2	\$44.6
2010	\$39.2	\$2.2	\$4.7	\$12.4	\$27.5	\$87.6
2009	\$42.0	\$2.6	\$4.3	\$9.0	\$22.4	\$74.3
2008	\$31.8	\$2.2	\$4.2	\$8.9	\$21.2	\$56.2
2007	\$76.9	\$1.7	\$3.4	\$10.4	\$20.3	\$92.4
1996–2016	\$43.7	\$1.7	\$3.5	\$8.3	\$20.9	\$74.0

Note: Settlement dollars are adjusted for inflation; 2016 dollar equivalent figures are used.

Appendix 2: Select Industry Sectors 1996-2016

(Dollars in Millions)

Industry	Number of Settlements	Median Settlement	Median "Estimated Damages"	Median Settlement as a Percentage of "Estimated Damages"
Technology	361	\$7.8	\$324.9	2.8%
Financial	195	\$14.5	\$812.8	2.5%
Telecommunications	151	\$9.1	\$501.8	2.2%
Retail	131	\$7.1	\$246.7	3.8%
Pharmaceuticals	125	\$8.3	\$387.6	2.4%
Healthcare	64	\$8.6	\$296.1	3.3%

Note: Settlement dollars and "estimated damages" are adjusted for inflation; 2016 dollar equivalent figures are used. "Estimated damages" are adjusted for inflation based on class period end dates.

Appendix 3: Settlements by Federal Circuit Court 2007-2016

(Dollars in Millions)

Circuit	Number of Settlements	Median Number of Docket Entries	Median Settlement	Median Settlement as a Percentage of "Estimated Damages"
First	34	143	\$7.0	2.6%
Second	204	117	\$11.9	2.1%
Third	76	113	\$9.0	2.2%
Fourth	33	137	\$8.3	1.8%
Fifth	44	104	\$6.6	2.0%
Sixth	38	140	\$19.8	3.1%
Seventh	44	146	\$10.2	2.7%
Eighth	20	195	\$10.7	3.3%
Ninth	206	164	\$7.9	2.2%
Tenth	23	153	\$8.4	1.6%
Eleventh	53	134	\$5.2	2.2%
DC	3	267	\$48.1	5.0%

Note: Settlement dollars and "estimated damages" are adjusted for inflation; 2016 dollar equivalent figures are used. "Estimated damages" are adjusted for inflation based on class period end dates.

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